

Errors Corrected by the STIC Systems Branch

CRF Processing Date: 1/23/2001  
 Edited by: [signature]  
 Verified by: [signature] (STIC staff)

Serial Number: 09/704,588

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: corrected amino acid numbering - seqs 7, 46, 68, 94, 97

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95

PCT09

RAW SEQUENCE LISTING                      DATE: 01/23/2001  
 PATENT APPLICATION: US/09/701,588        TIME: 11:10:42

Input Set : A:\11514158.app  
 Output Set: N:\CRF3\01232001\I701588.raw

**Does Not Comply  
 Corrected Diskette Needed**

## SEQUENCE LISTING

11 (1) GENERAL INFORMATION:  
 13     (i) APPLICANT: Wang, Chang Yi.  
 15     (ii) TITLE OF INVENTION: NOVEL LHRH PEPTIDE  
 16                               IMMUNOGENS  
 18     (iii) NUMBER OF SEQUENCES: 122  
 20     (iv) CORRESPONDENCE ADDRESS:  
 21         (A) ADDRESSEE: Morgan & Finnegan, L.L.P.  
 22         (B) STREET: 345 Park Avenue  
 23         (C) CITY: New York  
 24         (D) STATE: NY  
 25         (E) COUNTRY: USA  
 26         (F) ZIP: 10154-0054  
 28     (v) COMPUTER READABLE FORM:  
 29         (A) MEDIUM TYPE: Floppy disk  
 30         (B) COMPUTER: IBM PC compatible  
 31         (C) OPERATING SYSTEM: PC Windows  
 32         (D) SOFTWARE: Word 97  
 34     (vi) CURRENT APPLICATION DATA:  
 C--> 35         (A) APPLICATION NUMBER: US/09/701,588  
 C--> 36         (B) FILING DATE: 29-Nov-2000  
 37         (C) CLASSIFICATION:  
 39     (vii) PRIOR APPLICATION DATA:  
 40         (A) APPLICATION NUMBER: 09/100,414  
 41         (B) FILING DATE: 20-JUNE-1998  
 43     (viii) ATTORNEY/AGENT INFORMATION:  
 44         (A) NAME: Maria H. Lin  
 45         (B) REGISTRATION NUMBER: 29,323  
 46         (C) REFERENCE/DOCKET NUMBER: 1151-158US1  
 48     (ix) TELECOMMUNICATION INFORMATION:  
 49         (A) TELEPHONE: 212-758-4800  
 50         (B) TELEFAX: 212-751-6849

## ERRORED SEQUENCES

162 (2) INFORMATION FOR SEQ ID NO: 7:  
 164     (i) SEQUENCE CHARACTERISTICS:  
 165         (A) LENGTH: 15 amino acids  
 166         (B) TYPE: amino acid  
 167         (D) TOPOLOGY: linear  
 169     (ii) MOLECULE TYPE: peptide  
 171     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
 173         Met Thr Glu Ile Arg Thr Val Ile Val Thr Arg Met  
 174             1                     5                     10  
 175         Glu Thr Met  
 E--> 176             15 16

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884 (2) INFORMATION FOR SEQ ID NO: 46:
886   (i) SEQUENCE CHARACTERISTICS:
887       (A) LENGTH: 45 amino acids
888       (B) TYPE: amino acid
889       (D) TOPOLOGY: linear
891   (ii) MOLECULE TYPE: peptide
893   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:
895       Thr Ala Lys Ser Lys Lys Phe Pro Ser Tyr Thr Ala
896           1             5             10
897       Thr Tyr Gln Phe Gly Gly Ile Thr Glu Ile Arg Thr
898           15             20
899       Val Ile Val Thr Arg Ile Glu Thr Ile Gly Gly Glu
900           25             30             35
901       His Trp Ser Tyr Gly Leu Arg Pro Gly
E--> 902           40
1340 (2) INFORMATION FOR SEQ ID NO: 68
1342   (i) SEQUENCE CHARACTERISTICS:
1343       (A) LENGTH: 30 amino acids
1344       (B) TYPE: amino acid
1345       (D) TOPOLOGY: linear
1347   (ii) MOLECULE TYPE: peptide
1353   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68
1355       Lys Lys Lys Val Arg Val Val Thr Lys Val Val Thr
1356           1             5             10
1357       Val Pro Ile Ser Val Asp Gly Gly Glu His Trp Ser
1358           15             20
1359       Tyr Gly Leu Arg Pro Gly
E--> 1360           25
1858 (2) INFORMATION FOR SEQ ID NO: 94:
1860   (i) SEQUENCE CHARACTERISTICS:
1861       (A) LENGTH: 46 amino acids
1862       (B) TYPE: amino acid
1863       (D) TOPOLOGY: linear
1865   (ii) MOLECULE TYPE: peptide
1872   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:
1874       Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
1875           1             5             10
1876       Arg Ile Glu Thr Ile Leu Phe Gly Gly Cys Gly Glu
1877           15             20
1878       Thr Tyr Gln Ser Arg Val Thr His Pro His Leu Pro
E--> 1879           25             30             35
1880       Arg Ala Leu Met Arg Ser Thr Thr Lys Cys
E--> 1881           40             45
1929 (2) INFORMATION FOR SEQ ID NO: 97:
1931   (i) SEQUENCE CHARACTERISTICS:
1932       (A) LENGTH: 42 amino acids
1933       (B) TYPE: amino acid
1934       (D) TOPOLOGY: linear
1936   (ii) MOLECULE TYPE: peptide

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*misaligned  
 amino acid nos.*

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Input Set : A:\11514158.app  
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1938 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:  
1940 Leu Ser Glu Ile Lys Gly Val Ile Val His Lys Leu  
1941 1 5 10  
1942 Glu Gly Val Gly Gly Cys Gly Glu Thr Tyr Gln Ser  
1943 15 20  
1944 Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met  
E--> 1945 25 30 35  
1946 Arg Ser Thr Thr Lys Cys  
E--> 1947 40

*same  
even*

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/701,588

DATE: 01/23/2001

TIME: 11:10:43

Input Set : A:\11514158.app

Output Set: N:\CRF3\01232001\I701588.raw

L:35 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:36 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:94 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]  
L:115 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]  
L:131 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]  
L:176 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7  
L:902 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:46  
L:1360 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:68  
L:1568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79  
L:1879 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:94  
M:332 Repeated in SeqNo=94  
L:1945 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:97  
M:332 Repeated in SeqNo=97  
L:2425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120  
L:2448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121  
L:2466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122